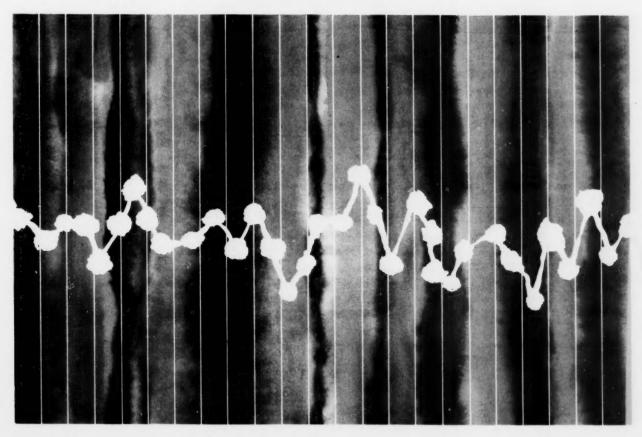
defense indicators

FEBRUARY 1976





U.S. DEPARTMENT OF COMMERCE . BUREAU OF ECONOMIC ANALYSIS



This report was prepared in the Statistical Indicators Division, Bureau of Economic Analysis. Technical staff and their responsibilities for the publication are—

Barry A. Beckman-Technical supervision and review.

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The Secretary of Commerce has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through September 1, 1977.

U. S. DEPARTMENT OF COMMERCE Elliot L. Richardson, Secretary

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defense indicators

February 1976 Series ES4 No. 76-2

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6 BEA PROJECTS

for economic analysis

BUSINESS CONDITIONS DIGEST A monthly report for analyzing economic fluctuations over a short span of years.

This report brings together approximately 600 economic time series in a form convenient for analysts whether their approach to the study of current business conditions and prospects is the national income model, the leading indicators, anticipations and intentions, or a combination of these. Other types of data such as foreign trade, Federal Government activities, and international series are included to facilitate a more complete analysis.

Data are presented in charts and tables. Appendixes provide historical data, series descriptions, seasonal adjustment factors, and measures of variability. A computer table containing data for most of the series is available for purchase.

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SEASONAL ADJUSTMENT PROGRAMS.—Two variants of the Census computer program for measuring and analyzing seasonal, trading-day, cyclical, and irregular fluctuations. They are particularly useful in analyzing economic fluctuations which take place within a year. The X-11 variant is used for adjusting monthly data and the X-11Q for quarterly data. These programs make additive as well as multiplicative adjustments and compute many summary and analytical measures.

DIFFUSION INDEX PROGRAM.—A computer program for computing diffusion indexes, cumulated diffusion indexes, and summary measures of the properties of each index.

SURVEY OF CURRENT BUSINESS A monthly report for analyzing current economic developments.

This report provides a useful combination of current data for more than 2,500 statistical series and significant articles analyzing economic developments. These data and analyses include such areas as the national income and product accounts, the balance of payments accounts, plant and equipment expenditures, regional personal income, and the input-output accounts.

BUSINESS STATISTICS A biennial reference volume containing statistical series reported currently in the *Survey of Current Business*.

This report provides historical data back to 1947 for nearly 2,500 time series. The series are accompanied by concise descriptions as to their composition, methods of compilation, comparability, revisions, and availability. Also listed are the names and addresses of organizations which provide the basic data for the series.

Introduction

The purpose of this monthly report is to bring together the principal time series on defense activity which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. Most are monthly but a few quarterly series are included. The series numbers used are for identification purposes only and do not reflect relationships or order.

Classification of Series

Chart 1 compares Government purchases of goods and services for national defense with total gross national product. GNP is the market value of the final output of goods and services produced by the Nation's economy and represents a very broad measure of aggregate economic activity. In addition to national defense purchases, it includes Federal Government purchases of goods and services for nondefense purposes, State and local government purchases, personal consumption expenditures, gross private domestic investment, and net exports of goods and services. Chart 1 also presents national defense purchases as a percent of gross national product and, for both series, changes from the previous quarter.

A related group of series is shown in Chart 4, "Defense-Related Balance of Payments Components." These series show the effects of defense-related economic activity on the balance of payments accounts.

The remaining series are grouped in accordance with the time at which the activities they measure occur within the defense order-production-delivery process. Those series measuring activities that usually precede production, such as new orders placed with defense products industries and contract awards, are presented in Chart 2, "Advance Indicators of Defense Activity." Chart 3, "Intermediate and Final Indicators of Defense Activity," presents series that measure activities which tend to move at the same time as production (such as employment) and activities which usually follow production (such as shipments).

Series Included

Following is a list of the series as they appear in charts 1, 2, 3, and 4 (the source agencies are abbreviated in parentheses; detailed lists of sources for charts 1, 2, and 3 appeared as appendixes to the August and October 1968 issues of this report).

Gross National Product and National Defense Purchases

Gross national product (BEA)

Federal Government purchases of goods and services, national defense (BFA)

National defense purchases as a percent of gross national product (BEA)

Gross national product, changes from previous quarter (BEA) National defense purchases, changes from previous quarter (BEA)

Advance Indicators of Defense Activity

Defense Department gross obligations incurred, total (DOD)
Defense Department gross obligations incurred, procurement (DOD)

Gross obligations incurred outside the Government for national defense (Treasury) Defense Department military prime contract awards for work performed in the United States (DOD)

Defense Department gross unpaid obligations outstanding (DOD)

Manufacturers' new orders (Census):

Defense products industries

Defense products

Manufacturers' new orders from the U.S. Government, aerospace industries (Census):

Average weekly overtime hours, production workers, defense products industries (BLS)

Accessions, defense products industries (BLS)
Layoffs, defense products industries (BLS)

Intermediate and Final Indicators of Defense Activity

Manufacturers' inventories (Census):

Defense products industries

Defense products

Manufacturers' unfilled orders (Census):

Defense products industries

Defense products

Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census)

Defense Department progress payments outstanding (DOD) Employment in defense products industries, total (BLS)

Employment in defense products industries, production workers (BLS)

Index of aggregate weekly man-hours, defense products industries (BLS)

Index of aggregate weekly payrolls, production workers, defense products industries (BLS)

Defense Department manpower, military (DOD) Defense Department manpower, civilian (DOD)

Defense Department net outlays, total, military functions and military assistance (DOD)

Defense Department net outlays, procurement (DOD)

Budget outlays for the national defense function (Treasury) Defense Department personnel compensation (DOD)

Manufacturers' shipments (Census):

Defense products industries

Defense products

Manufacturers' shipments to the U.S. Government, aerospace industries (Census):

Ratio, manufacturers' unfilled orders to shipments (Census): Defense products industries

Defense products in

Ratio, manufacturers' inventories to shipments (Census):

Defense products industries

Defense products

Defense-Related Balance of Payments Components

Transfers under U.S. military agency sales contracts—exports (BEA)

Direct defense expenditures-imports (BEA)

U.S. Government cash receipts associated with military sales contracts (BEA)

Some additional data are included in the tables though not presented in the charts. These include Defense Department military prime contract awards by procurement category (e.g., for aircraft, missiles and space systems, ships, weapons, and ammunitions), the operations component of Defense Department

gross obligations incurred, gross unpaid obligations outstanding, and net outlays and the procurement component of gross unpaid obligations outstanding.

Description of Basic Data

The Department of Defense compiles statistics on obligations, contract awards, personnel compensation, and outlays. The DOD obligations and outlays data are based on the Defense Department's monthly Status of Funds report which is developed from accounting data and is designed to provide information on the total status of Defense Department financing. Accounts included in this report are aggregated by appropriation categories including personnel costs, operations and maintenance, procurement, research and development, and construction. The Status of Funds report duplicates some obligations. That is, obligations of one government unit to another unit are not netted out.

The Defense Department's Contract Awards report covers the awarding of procurement contracts. These include obligations for operating and maintenance supplies, equipment and services, research and development, and construction in addition to the obligations for items that constitute the fiscal "procurement" category. The statistics are aggregated by commodity categories including aircraft, missile and space systems, ships, weapons, ammunition, electronics and communication equipment, fuels, and textiles and clothing. The Contract Awards report includes procurement for NASA, other nondefense agencies, and the Foreign Military Sales Program which are not included in the Status of Funds report.

The Census quarterly new orders, unfilled orders and shipments series for "aerospace industries" are based on reports of companies classified into the following industry categories:

Industry	SIC Code
Aircraft and parts Guided missiles and space vehicles, completely assembled	372 1925

The Census and BLS data for "defense products industries" presented in this report cover companies and establishments classified into the following industry categories in accordance with the Standard Industrial Classification Manual, 1967 edition, Executive Office of the President, Bureau of the Budget:

Industry	SIC Code
Ordnance and accessories	19
Communication equipment	366
Aircraft and parts	372

Establishments reporting to the BLS are classified into industries on the basis of their principal product or activity as determined from information on annual sales volume, which is collected each year on a supplement to the monthly report. The entire employment of an establishment making more than one product or engaging in more than one activity is included under the industry accounting for the largest percentage of the annual sales of that establishment.

The Census Bureau's monthly survey is based primarily on reports at the company level and the monthly estimates are benchmarked to the establishment data from the *Annual Survey*

of Manufactures. Also, many of the large diversified companies file separate divisional reports monthly. Although the reports in the survey are also classified according to their principal product or activity, this difference in the organizational level from which reports are received results in firms being classified into different industries in the BLS and Census surveys and, consequently, limits somewhat the comparability of the data collected by these agencies. However, as we know from past studies in this area, some differences in industrial classification between BLS and Census data would remain even if reports came from the same organizational levels.

Both the Census and the BLS data include a significant amount of nondefense activities carried on by companies and establishments classified in the above industries. For example, the data cover the production of commercial as well as military aircraft. On the other hand, they exclude significant amounts of defense work carried on by companies and establishments classified in industries other than those listed above (e.g., the manufacture of military uniforms and the shipbuilding industry).²

Census data for "defense products" are based on separate reports on defense work filed by large defense contractors in the ordnance, communications, complete aircraft, aircraft parts, and shipbuilding industries. Thus, they differ from the "defense products industries" data in that they include defense activity in the shipbuilding industry and exclude nondefense work in the other industries covered. Defense products data cover work for the Department of Defense and exclude contracts for the National Aeronautics and Space Administration and the Atomic Energy Commission.

The DOD data are not strictly comparable in coverage with either the BLS or the Census data since the Defense Department figures (1) cover products of industries not included in the defense products category; (2) generally do not include non-defense activities (except that some series, such as contract awards, include activities by the Department of Defense on behalf of nondefense agencies); and (3) do not cover intermediate activities such as those related to subcontracting and supplying of parts. Thus, the Census Bureau data for manufacturers' new orders and shipments of defense products industries, for example, differ in coverage from the DOD contract awards and net outlays series.

The Department of Defense data are not comparable with Federal Government purchases of goods and services for national defense or the Treasury Department obligations and outlays data since the BEA and Treasury data cover defense-related activities of other agencies such as the Atomic Energy Commission, the Selective Service System, and the Office of Emergency Planning.

Projects to improve the comparability of the data collected by the Bureau of the Census, the Bureau of Labor Statistics, and the Department of Defense and to improve the separation of defense and nondefense activity for the Census and BLS data are being undertaken by the statistical agencies under the leadership of the Interagency Committee mentioned earlier in this report.

¹ An establishment is a single physical location where business is conducted (e.g. a plant). A company often includes more than one establishment.

²See the Bureau of the Census publication *Shipments of Defense-Oriented Industries*, Current Industrial Reports, Series MA-175, for annual estimates of shipments by industry to the Department of Defense, the National Aeronautics and Space Administration, and the Atomic Energy Commission. Included also are industries not covered by the "defense products industries" category.

Variability of Data

Seasonal variations dominate the movements of many time series, and adjustments for average seasonal fluctuations are often necessary to bring out the underlying trends of the series. These seasonal adjustments allow for the effects of repetitive intrayear variations resulting primarily from normal differences in weather conditions and from various institutional arrangements. An additional adjustment is sometimes necessary for series which contain considerable variation resulting from the number of working or trading days in each month. As used in this report, the term "seasonal adjustment" includes trading-day adjustments where they have been made.

Most of the series in this report are shown in seasonally adjusted form. For Defense Department and BLS series, unadjusted data are also shown since they are not readily available elsewhere. Current seasonal adjustment factors are shown in appendix A.

The effect of seasonal adjustment in reducing the month-to-month variation in the data can be seen in appendix B. There, the first two columns show the average month-to-month percent change (without regard to sign) in the data before and after seasonal adjustment. Some series still show very irregular month-to-month movements after adjustment for seasonal variation. The measures in appendix B also indicate the month-to-month variation in the irregular and short-term trend components of the series. For many series, irregular movements tend to dominate 1- or 2-month comparisons, and the underlying short-term trend becomes dominant in comparisons over longer spans. The "months for cyclical dominance" (MCD) measure estimates the span of months required for the short-term trend to dominate the irregular component. Series with an MCD of 4 or more are supplemented with a moving average (with the

number of terms equal to MCD) in the charts. Data for these moving averages are listed in the basic data tables.

Guide to Charts and Tables

Most series are plotted on a standard ratio scale so that equal percent changes cover the same vertical distance. For these series, an increase of 100 percent covers approximately 1 inch. Arithmetic scales are used for series with zero or negative data, series which could approach zero (e.g., average overtime hours and layoff rate), and series expressed in percent.

In general, monthly data are plotted with a solid line and quarterly data are represented by a solid line with quarterly plot points. Quarterly series are also identified with a "Q" after their titles. For series which include a moving average, a dashed line is used for the actual monthly data and a solid line for the moving average. (The moving average values are centered within the span of months they are computed from.) Exceptions to this scheme may be necessary for special situations. Data apply to the whole period except for series designated "EOM" (end of month) or "EOQ" (end of quarter). The number in the box at the right of each series indicates the latest month (Arabic) or quarter (Roman) plotted. Parallel lines across a series indicate a break in continuity (e.g., data not available or change in series definition).

Tables 1, 2, 3, and 4 present current data for the series shown in the charts, including the moving averages. They also include unadjusted data for some series and data for related series which are not plotted. Table A summarizes the most recent data and percent changes for many of the series in the report. Historical data are shown on an intermittent basis in appendix C. (The index indicates the appropriate issue for each series.)

New Features and Changes for This Issue

1. New seasonal adjustment factors for 35 series have been computed using the X-11 variant of the Census Method II seasonal adjustment program. These factors are shown through June 1976 in appendix A. The table below shows the beginning month (or quarter) for application of the new seasonal factors to each series.

Series number	Beginning month for new factors	Series Beginning month number new factors		Series number	Beginning month for new factors
617 619	December 1975 December 1975	634 635	IVQ 1975 IVQ 1975	664 670	IVQ 1975 January 1973
621 623	December 1975 October 1975	636 637	IVQ 1975 IQ 1973	671 673	January 1973 January 1973
625	December 1975	640	IVQ 1975	675 680	January 1973 January 1976
626 627	IVQ 1975 IVQ 1975	643 644	December 1975 December 1975	681	January 1976
629 630	IVQ 1975 IVQ 1975	645 650	December 1975 IVQ 1975	682 683	January 1976 December 1975
631 632 633	IVQ 1975 IVQ 1975 IVQ 1975	653 654 655	January 1973 January 1973 January 1973	685 689	December 1975 IVQ 1975

2. In addition to a new seasonal adjustment, series 653, 654, 655, 670, 671, 673, and 675 are also revised for the period 1973 through June 1975 to incorporate the source agency's recent adoption of a new benchmark (March 1974) for factory employment and earnings data. (See the October 1975 issue.) Revised data for July 1975 to date were first shown in the October 1975 issue.

The March issue of DEFENSE INDICATORS is scheduled for release on March 30.

Table A. Summary of Recent Data and Current Percent Changes for Principal Defense Indicators

(Preliminary and revised figures are not identified here but the user may consult tables 1, 2, 3, and 4 where such identification is given)

					Basic (iata					Percent	change		ber
Series title	Unit of	Aver	age									010.75	010/75	ies number
Series Little	measure	1974	1975	2d Q 1975	3d Q 1975	4th Q 1975	Nov. 1975	Dec. 1975	Jan. 1976	Nov. '75 to Dec. '75	Dec. '75 to Jan. '76	2d Q '75 to 3d Q '75	3d Q '75 to 4th Q '75	Series
GROSS NATIONAL PRODUCT AND NATIONAL DEFENSE PURCHASES														
00. Gross national product (BEA)	Ann. rate, bil. dol	1606.9	1698.8	1460.6	1528.5	1572.5						4.6	2.9	2
64. Federal Government purchases of goods and services, national defense (BEA)	do	77.4	84.0	82.1	84.9	87.4	•	***	***	•••	•••	3.4	2.9	2
National defense purchases as a percent of GNP (BEA) ¹	Percent	5.5	5.6	5.6	5.6	5.6				•••	•••	0.0	0.0	6
ADVANCE INDICATORS OF DEFENSE ACTIVITY														
fense Dept. gross obligations incurred (DOD):														
617. Total	Ann. rate, bil. dol	93.9	98.5	98.9	103.7	97.5	96.8	95.1	NA	-1.8	NA	4.9	-6.0	١,
621. Procurement	do	20.6	20.4	19.7	25.7	17.1	14.8	17.9	NA	20.9	NA	30.5	-33.5	
Government for national defense (Treasury)	do	101.1	NA	113.0	107.2	NA	NA	NA	NA	NA	MA	-5.1	NA	1
awards for work performed in the U.S. (DOD)	do	41.4	43.3	47.3	48.0	35.9	34.5	37.6	NA	9.0	NA	1.5	-25.2	1
 Defense Department gross unpaid obligations outstanding (DOD). 	Bil. dol., end of period	40.0	40.9	41.3	42.3	40.9	41.7	40.9	NA	-1.9	NA	2.4	-3.3	
18. Mfrs.' new orders, defense products (Census)	Ann. rate, bil, dol	22.8				18.6					-3.9	12.5	-20.5	
0. Manufacturers' new orders from the U.S.			21.2	20.8	23.4		21.0	18.0	17.3	-14.3	-5.9			
Government, aerospace industries (Census)	do	19.1	NA	15.5	18.4	NA	•••	• • • •	• • • •	•••	•••	18.7	NA	1
workers, defense products industries (BLS) ¹ 64. Accessions, defense products industries	Hours Number per 100	2.8	2.5	2.4	2.5	2.6	2.5	2.7	NA	0.2	NA	0.1	0.1	ı
(BLS) ¹ . (BLS) ¹ . Layoffs, defense products industries (BLS) ¹	employees	2.1		1.5 1.3	1.3	NA NA	1.3	NA NA	NA NA	NA NA	NA NA	-0.2 -0.1	NA NA	ı
INTERMEDIATE AND FINAL INDICATORS OF DEFENSE ACTIVITY														
 Output of defense and space equipment (FRB) Mfrs.' inventories, defense products (Census) 	1967=100 Bil. dol., end	82.3		82.7	81.9	80.7	80.2	80.9	81.2	0.9	1	-1.0	-1.5	ı
1. Mfrs.' unfilled orders, defense products (Census)	of period	24.6		7.6 25.1	7.7	7.8 25.4	7.8 25.6	7.8 25.4	25.1	-0.8		1.3 3.6	1.3	١
 Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census) 	do	20.7	NA	21.1	20.7	NA						-1.9	NA.	ı
6. Defense Department progress payments out- standing (DOD) (0)	do	9.2				NA						4.8	NA	١
nployment in defense products industries (BLS): 670. Total									1 005	•••				١
671. Production workers	do	1,177	1,119	1,132	1,108 563	1,082	1,077 540	1,079	1,085	0.0	0.9	-2.1 -2.9	-2.3	ı
Index of aggregate weekly man-hours, defense products industries (BLS)	1967=100	69.4	66.0	66.7	65.6	64.0	63.5	64.1	NA	0.9	NA NA	-1.6	-2.4	ı
 Index of aggregate weekly payrolls, production workers, defense products industries (BLS) 	do	98.2				99.8	98.7	100.3	NA				-1.5	ı
efense Department manpower (DOD): (0)		30.2	100.5	101.0	101.5	33.0	30.7	200.5		1 ***	1 "	1 "	1 ***	ı
677. Military	of period	2,140	2,084	2,128	2,105	2,084	2,099	2,084	NA.	-0.7	NA NA	-1.1	-1.0	1
678. Civilian	do	1,043					1,029	1,028	NA	-0.1		-1.2		
680. Total, military functions and military	Ann. rate,													ı
assistance. 682. Procurement	bil. dol						90.9 14.6	92.1	79.6					
83. Budget outlays for the national defense function (Treesury)	do						94.8	97.2						1
85. Defense Dept. personnel compensation (DOD)	do	33.5	34.7	34.2	35.3	35.5	35.1	35.5	NA.	1.3	I NA			
 Mfrs.' shipments, defense products (Census) Manufacturers' shipments to the U.S. Government 		18.9	20.4	20.3	19.9	21.1	20.8	19.9	21.1	- i .	6.0	-2.0	6.0	1
aerospace industries (Census)	do	15.2	NA NA	16.2	19.0	NA NA						17.3	NA	
defense products (Census)		14.	14.9	14.8	15.5	14.6	14.7	15.3	14.2	4.	-7.2	4.7	-5.8	
 Ratio, manufacturers' inventories to shipments, defense products (Census)	do													1
DEFENSE-RELATED BALANCE OF PAYMENTS COMPONENTS														
46. Transfers under U.S. military agency sales	Ann. rate,													
contracts—exports (BEA) ¹ . 47. Direct defense expenditures—imports (BEA) ¹	mil. dol do				6 4,45						1			
696. U.S. Government cash receipts associated with		1		1				***	***					1
military sales contracts (BEA)1	do	. 2,95	7 N	A 4,16	8 4,71	NA NA						548	AIA.	1

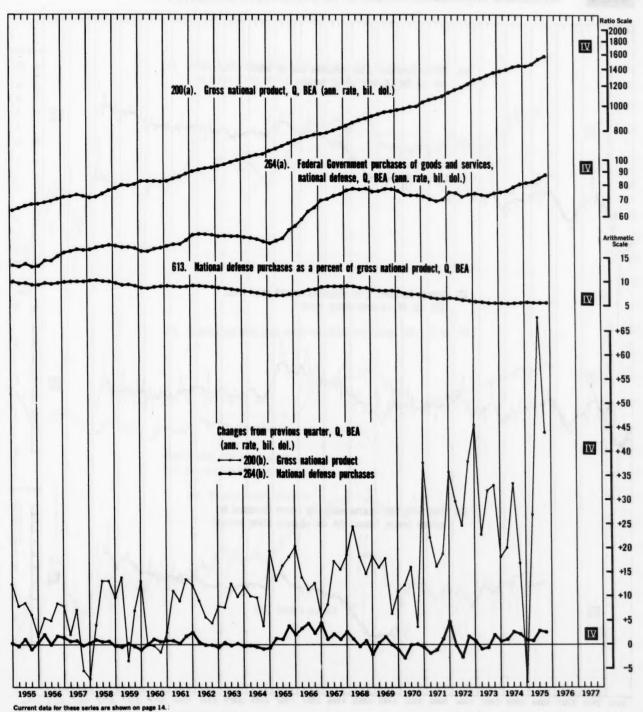
NOTE: This table is presented as a convenient summary of the current data for many of the indicators in this report. In many cases, data shown here are rounded to fewer digits or are in different units than those shown in tables 1, 2, 3, and 4. Where available, annual figures are those published by the source agencies; otherwise they (and the quarterly figures for monthly series) are averages or totals of the data as shown in the data tables. Series are seasonally adjusted except for those indicated by ③, which appear to contain no seasonal movement.

NA = not available.

10 ifferences rather than percent changes are shown for this series.

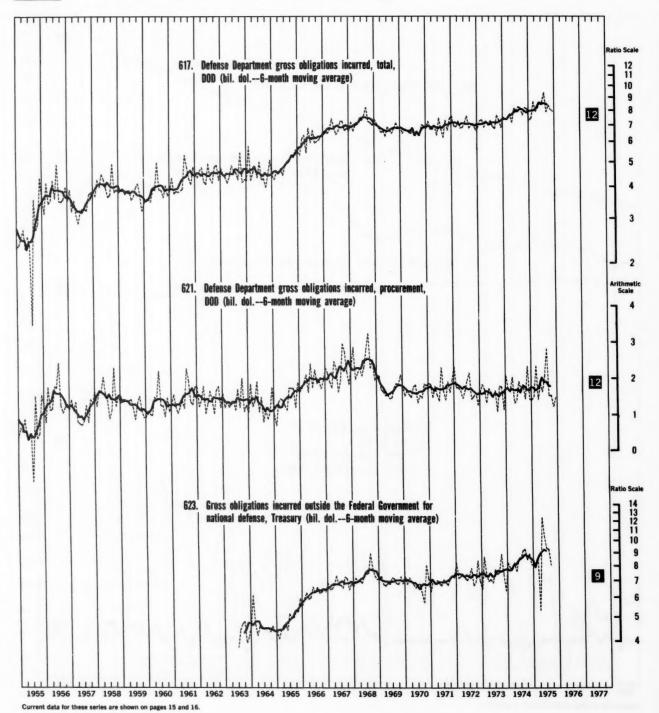
Gross National Product and National Defense Purchases



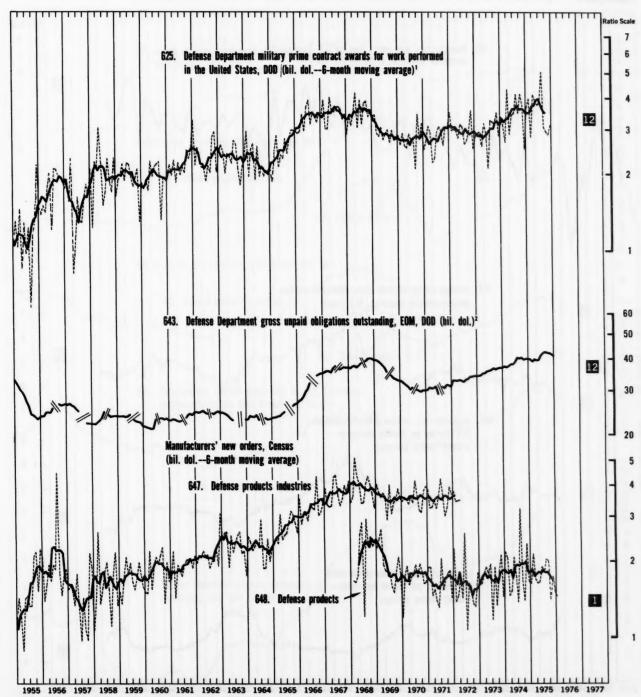




Advance Indicators of Defense Activity



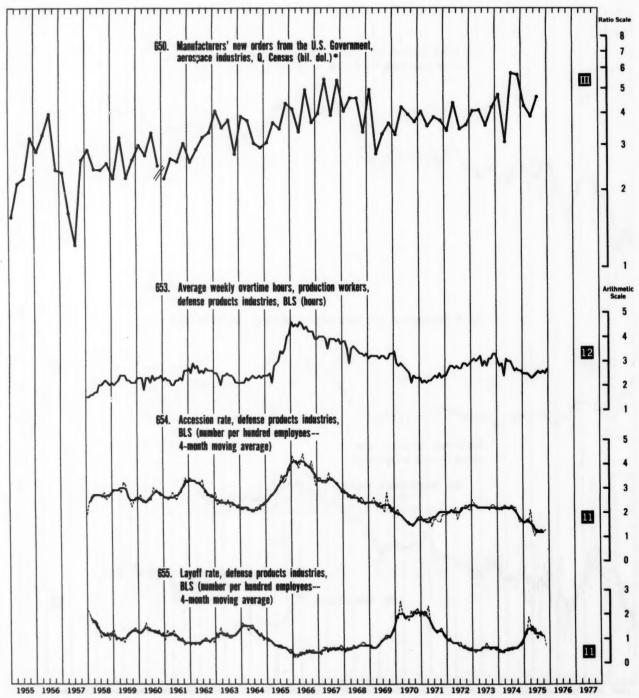




¹ Data prior to July 1955 exclude orders written to other Government agencies.

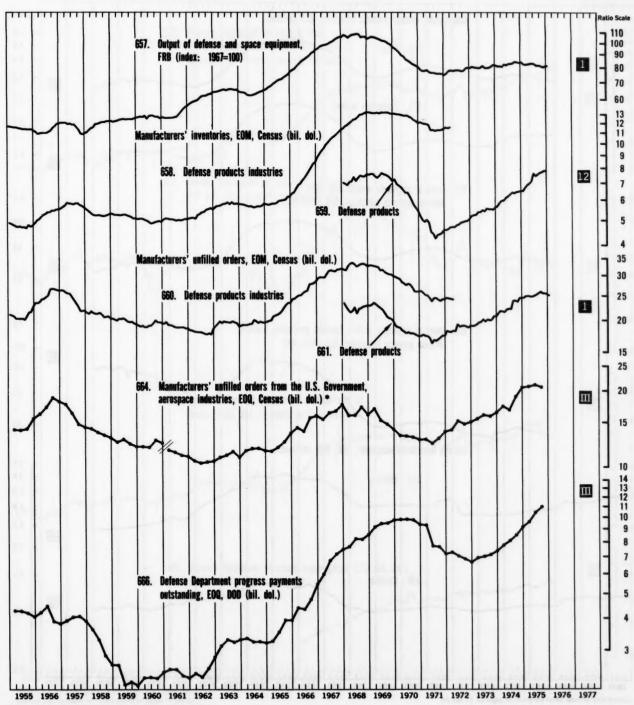
² Data for the following months not available: July of 1956-71: Aurust of 1956-87 and 1963-66; September of 1957, 1963, and 1965; and October and November or 1963. Current data for these series are shown on pages 16 and 20.





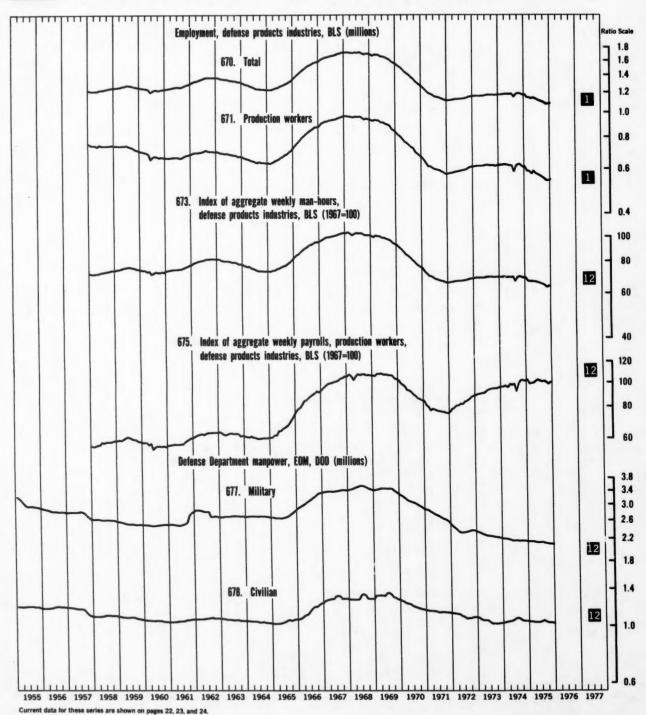
^{*}Data prior to 1961 include orders from non-Government customers Current data for these series are shown on pages 20 and 21.





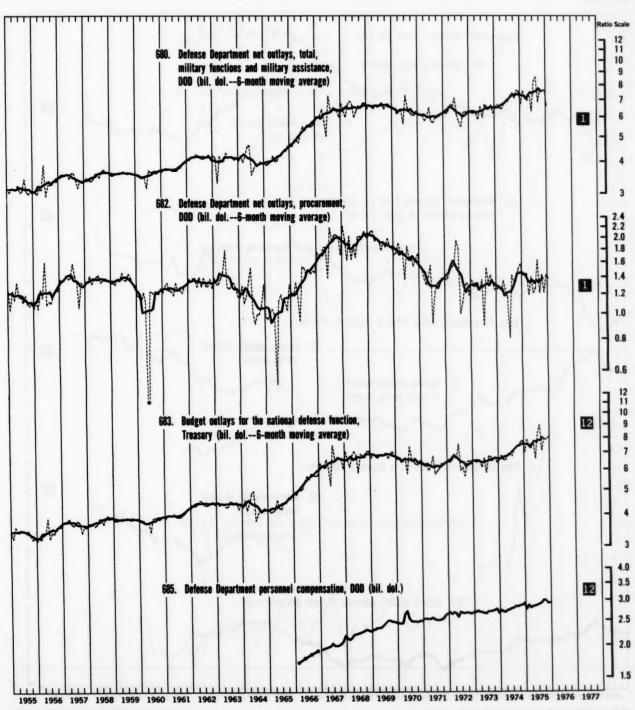
Data prior to 1961 include orders from non-Government customers. Current data for these series are shown on page 22.∶





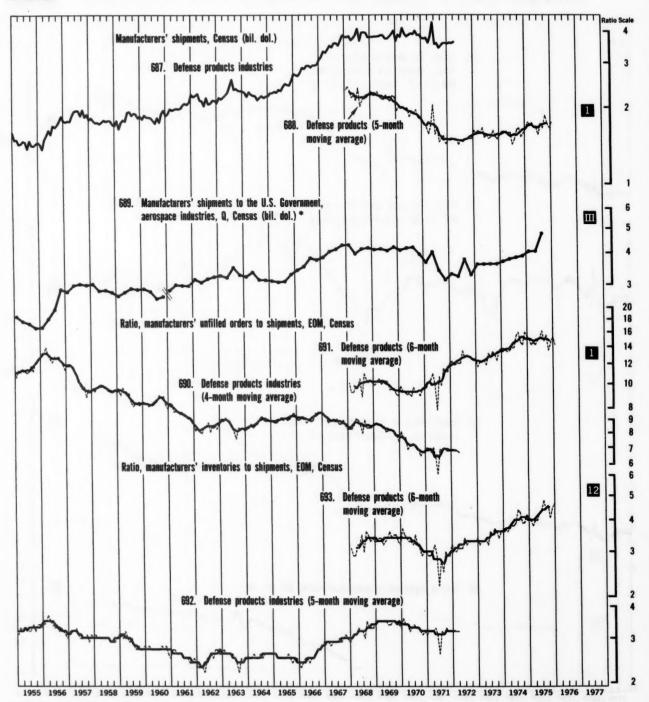
CHART

Intermediate and Final Indicators of Defense Activity--Continued



*Net expenditures for procurement, June 1960--3245 million. Current data for these series are shown on pages 24 and 25.

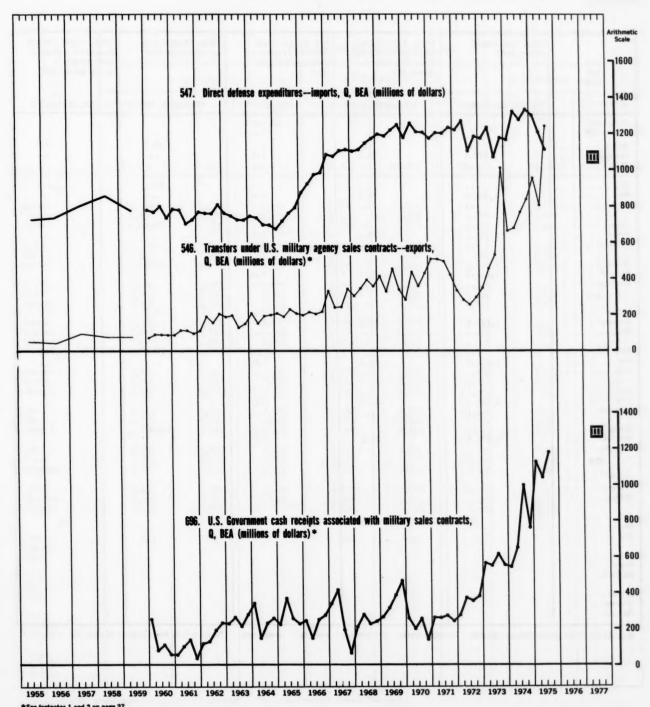




*Data prior to 1961 include shipments to non-Government customers. Current data for these series are shown on page 26.

CHART 4

Defense-Related Balance of Payments Components



⇒See footnotes 1 and 2 on page 27.,Current data for these series are shown on page 27.



Gross National Product and National Defense Purchases

Year and month	200(a). Gross national product, BEA*			200(b). Change in gross national product, BEA*	264(b). Change in Federal Government purchases of goods and services, national defense, BEA*
	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)	(Percent)	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)
1974					
January				18.2	0.6
February	1,370.9	74.8	5.5	•••	•••
March	•••	•••	•••	•••	•••
Amail				20.1	1.0
April	1,391.0	75.8	5.4		1
June	1,001.0				
					0.1
July				33.4	2.6
August	1,424.4	78.4	5.5	***	
September				1	
October				16.9	2.1
November	1,441.3	80.5	5.6		
December			***		
January				-7.7	0.9
February	1,433.6	81.4	5.7		
March		•••			
				27.0	0.7
April		82.1	5.6	27.0	0.7
June		02.1	2.0		
	1				
July				67.9	2.8
August		84.9	5.6		•••
September	•••	•••	•••	1	•••
October	r1,572.5	87.4	5.6	r44.0	2.5
1976					
January February March					
April					
May					
June					
July					
September					
October					
November					
Decelling		1			

Note: All data on this page are seasonally adjusted. NA=not available; p=preliminary; r=revised; e=estimated.

*Indicates series shown in charts. (See page 5.)



Advance Indicators of Defense Activity

			Defe	nse Department gross	s obligations incurred	, DOD			
Year		617. Total		619. 0	Operations	621. Procurement			
and month	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data- 6-month*	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1974		(1)			(1)		(1)		
January	8,113	7,527	7,374	4,991	4,714	2,337	2,077	1,689	
February	6,826	7,398	7,390	4,187	4,758	1,677	1,708	1,731	
March	6,613	7,485	7,368	4,377	4,699	1,381	1,642	1,658	
April	7,375	7,762	7,588	4,982	4,804	1,546	2,040	1,702	
May	6,104	7,187	7,664	4,434	4,662	894	1,330	1,675	
June	10,110	8,166	7,810	6,170	5,466	2,465	1,412	1,672	
July	9,285	7,983	7,926	5,901	5,110	1,332	1,919	1,706	
August	8,874	8,279	7,912	5,224	5,203	1,416	1,692	1,607	
September	7,790	8,179	8,083	4,771	5,040	1,919	1,842	1,777	
October	7,965	7,681	8,075	5,394	4,999	1,709	1,446	1,780	
November	7,600	8,211	7,968	4,471	4,786	2,281	2,349	1,697	
December	7,260	8,116	7,832	4,826	5,334	1,646	1,431	1,667	
1975									
January	8,252	7,341	7,916	5,471	5,148	1,895	1,424	1,751	
February	6,904	7,467	7,958	4,604	5,220	1,569	1,509	1,748	
March	7,526	8,677	7,956	4,787	5,251	1,994	2,349	1,665	
April		7,933	8,033	5,424	5,209	1,147	1,425	1,700	
May	6,796	8,199	8,246	4,761	5,121	1,147	1,850	1,808	
June	11,027	8,583	8,569	6,275	5,560	2,693	1,642	2,027	
July	9,903	8,614	8,440	6,641	5,624	1,510	2,074	1,891	
August	9.812	9,406	8,516	5,337	5,327	2,508	2,821	1,911	
September	7,705	7,907	8,494	5,203	5,442	1,506	1,535	1,808	
October	9,045	8,387	8,385	6,130	5,660	1,733	1,543	1,784	
November	6,976	8,069	(NA)	4,829	5,334	1,320	1,234	(NA)	
December	7,156	7,925		4,895	5,373	1,428	1,494		
1976									
January		(NA)		(NA)	(NA)	(NA)	(NA)		
February									
April									
May									
June									
July									
August		1							
October									
December									

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 6.)

1 See "New Features and Changes for This Issue," page 3.



	outside the Fed			Defense Department military prime contract awards for work performed in the United States, DOD									
Year	ment for nation Treasury	nal defense,		625. Total		626.	Aircraft		le and space tems				
and month	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted				
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)			
1974	(1)			(1)			(2)		(1)				
January	8,264 7,874 7,819	7,784 7,673 7,712	3,084 2,613 2,602	3,378 3,141 2,677	3,123 3,317 3,212	1,093 598 517	2,424	206 305 255	844				
April	8,270 7,647 p8,534	p8,068 p8,112 p8,333	3,127 2,250 6,086	4,343 2,881 3,440	3,310 3,329 3,498	459 308 502	1,104	303 297 323	1,27				
July	8,526 9,202 9,326	p8,584 p8,623 p8,842	3,924 4,091 3,586	3,494 4,153 3,502	3,636 3,605 3,754	1,089 591 866	2,446	618 430 848	1,448				
October	8,503 8,963 8,139	8,776 8,700 8,545	4,165 3,207 2,616	4,161 3,777 2,532	3,603 3,636 3,609	1,156 856 569	2,900	410 434 361	1,10				
January February March	8,069 8,271 8,590	8,422 7,894 8,472	3,567 3,321 2,625	3,693 3,987 2,817	3,494 3,488 3,513	1,062 509 421	2,147	346 276 244	98				
April	5,335 12,426 pl0,487	p8,863 p9,084 p9,259	2,914 2,713 6,626	4,122 3,926 3,773	3,720 3,744 3,925	316 386 732	1,240	377 242 537	1,65				
July	9,321	p9,176 (NA)	4,376 5,295 3,179	3,842 5,072 3,080	3,969 3,776 3,600	810 1,196 469	2,415	661 1,070 379	1,58				
October	(102)		3,174 2,608 2,870	2,961 2,872 3,130	3,493 (NA)	817 373 483	1,807	463 498 426	1,32				
January February March	1		(NA)	(NA)		(NA)		(NA)					
April													
July													
October								1	30)				

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See pages 6 and 7.)
See "New Features and Changes for This Issue," page 3.



		Defense Department military prime contract awards for work performed in the United States, DOD—Continued												
Year	628. Ships, not seasonally adjusted	629. Weapons	and ammunition		and communications ipment	631. Combat vehicles								
and month		Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted							
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)							
1974			(1)		(1)		(1)							
January February March	52 212 103	135 244 142	541	311 415 206	1,013	102 5 40	25							
April	190 155 1,175	170 123 554	680	403 270 732	1,110	129 98 404	50							
luly	230 625 134	37 72 111	453	321 402 352	1,316	59 104 151	2/							
October November December	210 328 109	122 114 165	334	598 349 254	1,239	25 22 81	i							
1975 January February March	325 251 11	125 160 217	515	414 331 535	1,379	21 66 52	2							
April	621 94 858	147 128 672	683	313 587 696	1,255	23 86 161	i							
July	814	52 126 95	630	394 470 430	1,559	126 70 90	2							
October	114	128 66 146	303	439 445 332	1,277	67 14 62	i							
January February March		(NA)		(NA)		(NA)								
April														
July														
October November December														

NA=not available; p=preliminary; r=revised; e=estimated.

¹ See "New Features and Changes for This Issue," page 3.



			Defense Depart	ment military prime o in the United States	contract awards for w , DOD—Continued	ork performed	4	
	632. Othe	r hard goods	633. S	oft goods	634. Co	nstruction	635. \$	Services
Year and month	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1974		(2)		(1)		(1)		(1)
January	128 111 179	467	297 145 487	1,374	90 52 92	258	204 138 181	900
April	294 139 352	564	344 214 256	1,081	248 58 604	504	166 168 524	844
July	163 158	677	338 819	890	131 148	601	451 303	76
September October November	129 108 127	391	219 267 226	692	112 138 126	578	233 446 185	74
December	135	***	222	•••	104		181	
January February	154 143 152	497	217 704 191	1,489	168 134 127	481	307 341 201	1,39
April	147 165 399	487	164 121 213	658	156 291 1,073	838	190 211 574	92
July	173	616	811 307 256	937	82 61 178	486	634 570 204	1,13
October		631	173 214 244	687	149 56 176	605	216 210 121	52
January February March			(NA)		(NA)		(NA)	
April								
July								
October								

TABLE 2

Advance Indicators of Defense Activity--Continued

			ilitary prime contract av United States, DOD-C	wards for work perform ontinued	ed		epartment military act awards for	
Year	636. Contract	ts under \$10,000		nal and nonprofit itutions	638. Civilian Health and Medical	work outsi	de the United s, DOD	
and month	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Program of the Uniformed Services (CHAMPUS), not seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	
	(Mil. dol.)	(Mil. dol.) (Mil. dol.)		(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1974		(2)		Revised ¹			(1)	
January February March	327 333 329	996	76 55 58	233	63 0 13	160 114 198	594	
April	384 382 570	1,066	37 38 70	186	0 0 20	80 94 333	559	
July	225 321 380	1,116	162 118 51	243	100	421 448 120	632	
October November December	399 374 343	1,204	46 59 92	187	240 7 0	190 93 111	559	
1975 January February March	372 345 419	1,144	51 61 53	205	5 0 2	114 93 96	388	
April	418 367 635	1,141	42 35 76	201	0 0 0	73 86 558	813	
July	345	1,218	184 92 80	253	5 1 0	244 149 124	317	
October November December		1,273	67 50 82	192	0 0 0	252 164 255	94	
1976 January February March			(NA)		(NA)	(NA)		
April								
August								
October November December								

NA=not available; p=preliminary; r=revised; e=estimated.

¹ See "New Features and Changes for This Issue," page 3.



		Defense Dep	eartment gross unpa	id obligations out	standing, DOD			ufacturers'	650. Manufac- turers' new orders from the
Year	643.	Total	644. 0	perations	645. Pr	ocurement		ts, Census	U.S. Govern- ment, aerospace
and month	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	industries, Census, seasonally adjusted*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1974		(2)		(¹)		(1)			(1)
January	38,249 37,963 37,249	37,280 37,001 37,436	7,425 7,055 6,779	6,969 6,964 7,189	23,791 24,032 23,847	23,143 23,175 23,634	2,183 2,064 1,462	1,852 1,802 1,794	4,705
April	37,264 35,601 37,545	38,141 38,076 38,947	7,044 6,476 7,373	7,550 7,301 8,417	23,778 23,123 23,994	23,970 23,987 23,756	1,527 2,079 1,752	1,844 1,710 1,904	3,073
July	e39,626 40,594 41,055	e40,435 40,152 40,488	e8,149 8,426 8,311	e8,392 8,010 7,991	e24,316 23,791 24,283	e24,914 24,351 24,703	1,377 3,229 1,678	1,940 1,919 1,965	5,709
October	41,201 40,949 40,407	39,731 40,068 40,047	8,607 7,906 7,654	7,610 7,334 7,556	24,361 25,147 25,199	24,337 25,022 25,024	1,401 2,351 1,668	1,951 1,994 1,813	5,627
January February March	40,819 40,008 39,473	39,823 39,147 39,791	7,997 7,520 7,169	7,495 7,460 7,651	25,484 25,452 25,688	24,838 24,568 25,259	1,635 2,147 1,702	1,817 1,857 1,742	4,252
April		39,457 39,658 41,334	7,276 6,746 7,303	7,807 7,666 8,346	24,932 24,321 25,311	24,957 25,099 25,438	1,639 1,659 1,909	1,782 1,812 1,7%	3,875
July	43,248	e42,144 42,651 42,281	e8,733 8,677 8,677	e8,939 8,280 8,287	e25,167 26,070 26,002	e25,370 26,684 26,479	1,818 2,048 1,991	1,844 r1,806 r1,821	p4,608
October	42,767	42,193 41,724 40,897	9,259 8,804 8,261	8,172 8,144 8,155	26,081 25,810 25,507	26,238 25,707 25,305	rl,408 rl,750 rl,501	rl,753 pl,690	(NA)
January February March		(NA)	(NA)	(NA)	(NA)	(NA)	pl,444		
April									
July	. 1								
October									

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See pages 7 and 8.) 1 See "New Features and Changes for This Issue," page 3.

Voor		Average weekly overtime production workers, de-products industries, BLS		industries, BLS		655. Layoff rate, defense products industries, BLS					
bruary	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—4-month*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 4-month*			
	(Hours)	(Hours)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)			
1974		(1)		Revised			(4)				
January	2.9	3.0	2.1	2.2	r2.2	r0.6	r0.4	0.5			
February	2.7	2.8	1.8	2.1	2.1	0.6	0.5	0.5			
March	2.8	2.9	1.9	2.1	r2.2	0.6	r0.4	r0.4			
	0.7		0.7								
	2.1	2.4	2.1	2.3	2.2	0.6	0.5	0.5			
	2.8	3.1	2.2	2.2	2.2	0.5	0.6	0.5			
June	3.0	3.0	2.8	2.1	2.2	0.5	0.6	r0.5			
July	2.7	3.0	2.6	2.3	2.2	0.4	r0.5	0.6			
August		r2.8	2.6	2.2	r2.2	0.5	0.6	0.6			
September	2.9	2.6	2.6	2.2	r2.1	0.5	0.6	0.6			
October	2.8	2.7	2.1	1.9	2.0	0.7	r0.7	0.6			
November	2.9	2.6	1.3	1.6	rl.8	0.8	0.7	0.7			
December	3.0	2.6	0.9	1.7	r1.7	0.8	0.8	0.8			
1975											
January	r2.4	r2.5	1.4	1.6	rl.6	1.2	1.1	1.0			
February		2.5	1.3	1.6	1.6	1.3	1.2	r1.2			
March	2.3	r2.5	rl.3	1.6	1.7	2.1	rl.9	1.4			
April	2.1	2.4	1.9	2.1	1.6	1.4	r1.3	rl.4			
May		r2.3	1.3	1.3	1.5	1.3	1.3	1.5			
June	2.5	r2.4	1.7	1.0	1.4	1.3	1.4	r1.2			
July	2.2	2.5	1.6	1.3	1.2	0.8	1.0	1.2			
August	2.6	r2.6	1.6	1.2	1.2	1.2	1.3	1.2			
September		r2.5	1.7	1.3	r1.2	1.0	r1.2	r1.2			
October	r2.7	r2.6	1.4	1.2	1.2	1.0	rl.1	1.1			
November		2.5	1.0	1.3	(NA)	0.8	0.7	(NA)			
December	p3.1	p2.7	(NA)	(NA)		(NA)	(NA)	(
1976	()	(
January		(NA)									
March											
April											
May											
June											
July											
August											
October November											
December								-			

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 8.)

1 See "New Features and Changes for This Issue," page 3.



	657. Output of defense and space	659. Manufacturers' inventories, defense	661. Manufacturers' unfilled orders,	664. Manufacturers' unfilled orders	666. Defense Department progress		nent in defense tries, total, BLS
Year and month	equipment, FRB, seasonally adjusted*	products, Census, seasonally adjusted*	Census, seasonally adjusted*	from the U.S. Gov- ernment, aerospace industries, Census, seasonally adjusted*	payments out- standing, DOD, not seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*
	(Index: 1967=100)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Thous.)	(Thous.)
1974				(1)		Revised ¹	Revised1
January	81.4	5,679	21,372 21,827	•••	• • •	1,181	1,177
February	80.9	5,837	21,827	377 2770	n nd1	1,176	1,176
March	81.0	5,966	21,678	17,378	7,781	1,175	1,180
April	80.6	5,978	21,622			1,174	1,181
May	82.2	6,119	22,107			1,170	1,179
June	81.7	6,201	22,261	16,847	8,104	1,175	1,179
L.L.	40 (/ 000	00.000			3.39/	
July	82.6	6,303	22,208	•••	•••	1,176	1,184
August	82.7 83.1	6,431 6,377	23,941 23,979	19,002	8,531	1,140 1,185	1,147
ooptombor	0).1	0,511	~3,717	17,002	0,001	1,109	1,101
October	84.1	6,463	23,715			1,196	1,188
November	83.7	6,477	24,530			1,196	1,183
December	83.4	6,543	24,612	20,662	9,166	1,184	1,171
	83.8	6,503	24,603			1,178	1,175
January February	82.4	6,714	24,009	•••	•••	1,141	1,141
March	82.1	6,867	24,998 24,986	20,811	9,609	1,137	1,142
April	82.4	6,978	24,883	•••		1,121	1,128
May	82.7	7,110	24,875	02 2/5	20 1/1	1,131	1,140
June	82.9	7,637	25,118	21,147	10,464	1,123	1,127
July	82.6	7,455	25,368			1,110	1,117
August	81.4	7,575	25,685			1,100	1,108
September	81.6	7,687	26,011	p20,703	11,008	1,104	1,100
Ostobar	81.1	n n20	r25,552			1,097	1,090
October November	r80.2	7,730 7,824	r25,566	•••	•••	1,089	1,077
December		7,806	r25,403	(NA)	(NA)	1,092	1,079
1976		1,,000		(300)	(****)		
January	p81.2	(NA)	p25,087			pl,088	pl,08
February							
April							
May							
June							
July							
August							
September							
Ontober							
October							
December		1					

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates st 1 See "New Features and Changes for This Issue," page 3. *Indicates series shown in charts. (See pages 9 and 10.)



		efense products industries, workers, BLS		weekly man-hours, defense ndustries, BLS		weekly payrolls, production oducts industries, BLS
Year and month	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*
	(Thous.)	(Thous.)	(1967=100)	(1967=100)	(1967=100)	(1967=100)
1974	Revised ¹	Revised ¹	Revised ¹	Revised ¹	Revised	Revised
January February March	627 623 621	623 622 624	69.8 69.6 69.7	69.8 69.6 69.9	96.7 96.5 97.0	96.5 96.3 97.2
April	620 615 616	624 622 620	68.7 69.4 69.3	69.4 69.8 69.5	94.1 97.6 96.9	95.9 98.7 98.0
July	612 576 621	618 584 619	68.7 66.3 69.7	69.8 67.0 69.3	94.9 89.6 99.8	98.5 91.9 99.0
October	632 634 623	627 624 611	70.4 70.7 70.5	70.0 69.5 69.1	103.2 105.3 106.3	102.0 102.2 101.2
January February March	618 589 585	615 589 588	69.2 67.0 66.8	69.2 67.0 67.0	102.8 98.6 99.1	102.6 98.4 99.4
April	581	574 588 577	66.1 66.5 66.4	66.8 66.8 66.6	97.6 100.2 101.2	99.5 101.3 102.3
July	555	570 563 556	65.0 64.9 65.5	66.1 65.6 65.1	97.9 98.3 102.0	101.7 101.0 101.2
October	549	549 540 540	64.9 64.6 65.4	64.5 63.5 64.1	101.5 101.8 p105.4	100.4 98.7 p100.3
January February March April May		p545	(NA)	(NA)	(NA)	(NA)
June July August September October November December						

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 10.)
¹ See "New Features and Changes for This Issue," page 3.



	Defense Departme	ent manpower, DOD		Defen	se Department net outle	ays, DOD	
Year and month	677. Military, not seasonally adjusted*	678. Civilian, not seasonally adjusted*	680. Tot	al, military functions a assistance	nd military	681. 0	Operations
and			Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	Not seasonally adjusted	Seasonally adjusted
	(Thous.)	(Thous.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1974				(1)			(4)
January February March	2,199 2,195 2,187	1,034 1,039 1,042	6,728 6,384 6,702	6,538 6,717 6,536	6,524 6,527 6,537	4,376 4,137 4,398	4,333 4,313 4,364
April	2,174 2,156 2,162	1,046 1,053 1,070	6,685 7,204 7,872	6,458 6,745 6,894	6,648 6,712 6,801	4,367 4,718 4,835	4,221 4,536 4,296
July	2,162 2,153 2,157	1,074 1,064 1,049	5,979 6,897 6,948	6,921 7,254 7,463	6,956 7,068 7,218	4,628 4,804 4,575	4,917 4,957 4,828
October	2,156 2,154 2,140	1,046 1,046 1,043	7,271 7,473 7,451	7,130 7,648 7,549	7,328 7,302 7,358	4,817 4,912 4,742	4,853 5,042 4,843
January	2,145 2,146 2,137	1,038 1,036 1,034	7,051 7,258 7,244	6,766 7,590 7,190	7,312 7,284 7,258	4,775 4,727 4,736	4,605 4,907 4,778
April	2,127 2,124 2,128	1,034 1,035 1,042	7,190 7,780 7,476	6,958 7,494 6,336	7,056 7,308 7,475	4,960 4,909 4,954	4,744 4,963 4,395
July	2,129 2,111 2,105	1,052 1,038 1,030	7,124 7,961 6,631	8,278 8,594 6,880	7,423 7,552 7,566	4,918 5,081 4,810	5,154 5,242 5,082
October	2,097 2,099 2,084	1,031 1,029 1,028	7,913 7,203 r7,695	7,732 7,574 r7,672	7,788 p7,514	5,260 4,997 r5,078	5,213 5,131 r5,068
January February March	(NA)	(NA)	p6,647	p6,634		p4,888	p4,893
April							
July							
October							

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See pages 10 and 11.)

1 See "New Features and Changes for This Issue," page 3.



	Defense Depa	ortment net outlays, DO	D-Continued		ays for the national tion, Treasury	685. Defense Dep compensa	
Year		682. Procurement		Seasonally adjusted*	Moving average of seasonally adjusted	Not seasonally adjusted	Seasonally adjusted*
and month	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*		data—6-month*		
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1974		(4)		(1)			(1)
January	1,270 1,195 1,313	1,262 1,276 1,241	1,300 1,289 1,268	6,569 6,835 6,579	6,613 6,617 6,640	2,879 2,651 2,700	2,738 2,702 2,687
April	1,382 1,292 1,346	1,355 1,227 1,165	1,254 1,179 1,204	6,567 6,874 6,973	6,733 6,768 6,831	2,750 2,817 2,710	2,739 2,745 2,785
July	801 1,348 1,251	810 1,425 1,343	1,221 1,224 1,270	6,783 7,212 7,362	6,962 7,112 7,254	2,835 2,814 2,741	2,79 2,83 2,82
October	1,455 1,372 1,439	1,377 1,501 1,569	1,338 1,440 1,444	7,467 7,727 7,809	7,393 7,436 7,550	2,869 2,827 2,874	2,86 2,86 2,92
1975 January February March	1,351	1,428 1,444 1,440	1,460 1,429 1,414	7,039 7,896 7,385	7,554 7,526 7,536	2,913 2,808 2,812	2,76 2,86 2,79
April	1,200	1,194 1,406 1,215	1,354 1,328 1,360	7,297 7,788 6,649	7,342 7,564 7,747	2,867 2,870 2,823	2,83 2,85 2,86
July	1,225 1,559	1,268 1,634 1,217	1,322 1,361 1,330	8,367 8,996 7,140	7,706 7,818 7,836	2,941 2,873 2,936	2,89 2,92 2,99
October	1,081	1,425 1,220 1,427	1,365 pl,384	7,971 7,896 8,103	8,079 (NA)	3,008 r2,866 p2,949	2,99 r2,99 p2,99
January February March		pl,384		(NA)		(NA)	(NJ
April							
July							33
October							

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 11.)

1 See "New Features and Changes for This Issue," page 3.



		s' shipments, defense ts, Census	689. Manufacturers' shipments to the		cturers' unfilled orders ense products, Census		cturers' inventories to se products, Census
Year and month	Seasonally adjusted*	Moving average of seasonally adjusted data-5-month*	U.S. Government, aerospace industries, Census, seasonally adjusted*	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Ratio)	(Ratio)	(Ratio)	(Ratio)
1974			(1)				_
January	1,552 1,610 1,612	1,564 1,573 1,591	3,696	13.8 13.6 13.4	13.4 13.6 13.7	3.7 3.6 3.7	3.6 3.7 3.7
April	1,586 1,594 1,596	1,600 1,564 1,541	3,780	13.6 13.9 13.9	13.7 14.0 14.4	3.8 3.8 3.9	3.8 3.9 4.0
July	1,431 1,497 1,638	1,551 1,565 1,553	3,834	15.5 16.0 14.6	14.6 14.7 15.0	4.4 4.3 3.9	4.0 4.0 4.1
October	1,663 1,536 1,585	1,584 1,613 1,636	3,888	14.3 16.0 15.5	15.3 15.2 15.0	3.9 4.2 4.1	4.1 4.1 4.0
January February March	1,644 1,753 1,714	1,646 1,688 1,704	4,049	15.0 14.3 14.6	15.0 15.0 14.8	4.0 3.8 4.0	4.0 4.0 4.0
April	1,742 1,668 1,666	1,709 1,671 1,675	4,056	14.3 14.9 15.1	14.7 14.9 15.0	4.0 4.3 4.4	4.1 4.2 4.3
July	1,567 1,732 1,665	1,660 1,699 1,713	p4,761	16.2 14.8 15.6	15.2 15.0 15.0	4.8 4.4 4.6	4.4 4.4 4.5
October	1,866 1,736 rl,661	rl,732 pl,738	(NA)	r13.7 r14.7 r15.3	15.0 pl4.7	4.1 4.5 4.7	4.5 (NA)
1976 January	p1,761			p14.2		(NA)	
April							
July	1						
October							

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates ser

1 See "New Features and Changes for This Issue," page 3. *Indicates series shown in charts. (See page 12.)



Defense-Related Balance of Payments Components

		der U.S. military agency tts (exports), BEA¹	547. Direct defense expenditures (imports),		et cash receipts associated les contracts, BEA ²
Year and month	Not seasonally adjusted	Seasonally adjusted*	BEA, not seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1974					
January February March	639	663	1,166	499	544
April	738	678	1,324	645	653
July	716	766	1,279	996	998
October					***
November December	852	837	1,335	817	762
January February March	909	954	1,303	1,082	1,126
April	888	804	1,209	1,034	1,042
July		pl,241	p1,113	pl,179	•••
September	рг,199	p1,241	p1,113	p1,179	pl,179
October	(NA)	(NA)	(NA)	(NA)	(NA)
January February March					
April			Lan		
July					31 41
October November December			0.000		

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 13.)

1 Includes deliveries for which, under Public Law 93-199, Israel has been released from its contractual liability to pay.

2 Excludes funds made available under Public Law 93-199 to release Israel from its contractual liability to pay for defense articles and services purchased through military sales contracts. Quarterly expenditures for such purpose under Public Law 93-199 amounted to (in millions): 1974, IIQ, \$623; IIIQ, \$223; IVQ, \$91; 1975, IQ, \$187; IIQ, \$124; IIIQ, \$87.

Appendix A. SEASONAL ADJUSTMENT FACTORS

Series title			19	75					19	76		
MONTHLY SERIES	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Defense Department gross obligations incurred:												
617. Total ¹	115.0	104.3	97.4	107.8	86.5	90.3	106.4	90.5	93.2	95.0	77.8	133.
619. Operations ¹	118.1	100.2	95.6	108.3	90.5	91.1	104.9	91.2	93.3	102.8	89.1	117.
621. Procurement	72.8	88.9	98.1	112.3	107.0	95.6	128.5	103.3	89.1	68.6	64.9	166.
23. Gross obligations incurred outside the Federal Government												
for national defense ¹	117.4	104.5	96.5	105.2	95.6	97.0	108.1	86.7	95.2	94.2	82.5	119
25. Defense Department military prime contract awards for												
work performed in the United States	113.9	104.4	103.2	107.2	90.8	91.7	96.5	84.5	84.9	72.5	71.9	179
efense Department gross unpaid obligations outstanding:2												
643. Total	98.4	101.4	101.9	103.7	102.5	101.6	103.2	101.0	97.9	95.5	91.9	95
644. Operations	97.7	104.8	104.7	113.3	108.1	101.3	105.4	99.0	92.8	93.1	87.0	89
645. Procurement	99.2	97.7	98.2	99.4	100.4	100.8	102.4	103.0	102.0	99.8	96.9	100
18. Manufacturers' new orders, defense products ³	178.1	85.4	116.2	104.9	91.8	106.5	94.9	98.1	98.4	87.5	71.2	93
53. Average weekly overtime hours, production workers, defense												
products industries ⁴	3	.0	.3	.1	.3	.4	1	1	1	3	3	
54. Accession rate, defense products industries ⁴	.3	.4	.4	.2	3	8	1	3	2	2	.0	
55. Lay off rate, defense products industries4	1	1	2	.0	.1	.0	.1	.1	.1	.1	.0	-
57. Output of defense and space equipment ³	98.6	98.9	100.1	100.1	100.9	101.8	100.0	99.9	100.4	99.4	99.9	
59. Manufacturers' inventories, defense products ³	100.2	99.2	99.7	100.6	100.6	99.4	98.6	99.8	101.3	100.6	100.0	99
61. Manufacturers' unfilled orders, defense products ³	101.0	99.7	100.5	101.0	99.9	99.8	101.0	101.2	101.0	99.8	97.3	96
mployment in defense products industries:												
670. Total	99.3	99.3	100.3	100.6	101.1	101.2	100.3	99.9	99.5	99.4	99.2	99
	99.0	98.6	100.3	100.8	101.7	102.0	100.6	100.0	99.5	99.3	98.8	99
671. Production workers	77.0	70.0	100.)	100.0	202.1	100.0	200.0	100.0	11.0	11.0	,0.0	1 "
73. Index of aggregate weekly man-hours, defense products	98.4	98.9	100.6	100.6	101.7	102.0	100.0	100.0	99.6	98.9	99.4	99
industries	70.4	70.7	100.0	100.0	102.07	102.0	100.0	100.0	77.0	70.7	77.4	1 "
defense products industries	96.3	97.3	100.8	101.2	103.1	105.1	100.2	100.3	99.7	98.0	99.0	98
At Burney and												
Defense Department net outlays:	0/ 2	00 /	000	700 0	05.7	300 0	700 0	00 0	701 0	102.2	97.8	120
680. Total, military functions and military assistance ¹	86.1	92.6	96.4	102.3	95.1	100.3	100.2	99.3	104.2			
681. Operations ¹	95.4	96.9	94.6	100.9	97.4	100.2	99.9	100.5	101.2		97.1	
662. Procurement ¹	96.6		97.9	105.3	88.6	92.4	98.5	94.9	110.4		99.7	
683. Budget outlays for the national defense function ¹	87.3	91.5	97.0	102.8	95.4	98.5	100.6	99.9	103.4		97.3	
685. Defense Department personnel compensation ¹	101.6		97.9	100.3	97.9	99.7	103.5		101.9		99.2	
688. Manufacturers' shipments, defense products ³	98.1	99.1	103.4	99.5	102.9	108.3	88.0	96.4	99.5	99.6	98.9	105
QUARTERLY SERIES		IIIQ			IVQ			ΙQ			110	
200. Gross national product ³		98.4		1	104.5			96.1			100.9	
264. Fed. Govt. purchases of goods and services, national defense ³		95.0			100.9			99.2			104.9	
546. Transfers under U.S. military agency sales contracts-exports ⁵		-50			15			-24			60)
Defense Department military prime contract awards:					1			/				
626. Aircraft		102.5			92.6		1	98.6			102.7	
627. Missile and space systems		133.0			104.5			83.9			73.5	
629. Weapons and ammunition		43.3			112.3			95.3			150.6	
630. Electronic and communications equipment		83.0			95.2			93.6			124.9	
631. Combat vehicles		110.4			83.0		1	56.8			146.2	
632. Other hard goods		69.3			84.9			90.8			149.2	
633. Soft goods		146.6			91.9			82.8			74.9	
634. Construction		66.0			63.0			76.6			196.8	
635. Services		123.9			104.6			65.7			104.9	
636. Under \$10,000		83.5			93.8			99.3			123.2	
637. Educational and nonprofit institutions		140.5			103.9			80.2			75.3	
640. Outside U.S		163.3			71.3			76.4			89.6	
Aerospace industries:												
650. Manufacturers' new orders from the U.S. Government		121.0)		100.8	3		88.5	;		87.0	0
664. Manufacturers' unfilled orders from the U.S. Government		102.1			101.8			100.2			96.	
689. Manufacturers' shipments to the U.S. Government		99.1			103.8			94.8			100.	
696. U.S. Govt. cash receipts associated with military sales contracts ⁵	1	-2		1	55		1	-45		1	_	

NOTE: The seasonal adjustment factors presented in this table were computed using the techniques described in the Bureau of the Census Technical Paper No. 15, The X-11 Variant of the Census Method II Seasonal Adjustment Program.

Monthly data for Defense Department military prime contract awards by commodity category (series 626 to 640) have not been adjusted for seasonal variation. The series on direct defense expenditures-imports (series 547), Defense Department progress payments outstanding (series 666), and Defense Department manpower (series 677 and 678) contain no measurable seasonal variation.

of months but these gaps were filled with averages of preceding and following months for

purposes of estimating seasonal variation.

³ These series have been adjusted by the source agencies. The factors shown here are implicit seasonal factors for the calendar year 1973 and are derived by dividing the seasonally

unadjusted data by the seasonally adjusted data.

4 These series have been seasonally adjusted using the additive version of the seasonal adjustment program. Seasonally adjusted data are derived by subtracting the adjustment factor from the unadjusted data. Seasonally adjusted data for other series are derived by dividing the sessonal factors into the unadjusted data.

This series is the total of component series which have been adjusted separately by the source agency. The factors shown here are implicit sessonal factors for the calendar year 1974 and are derived by subtracting the seasonally adjusted data from the seasonally unadjusted

¹ Factors are products of seasonal and trading-day factors.

² Prior to 1972, data for gross unpaid obligations outstanding are not available for a number

Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY Part 1. Monthly Series

Series title	Period covered	ō	Cī	ī	c	ī/c̄	MCD	Average of run	duration (ADR)
	covered							CI	MCD
Defense Department gross obligations incurred:									
617. Total	Jan. '57-Jan. '74	18.68	7.38	7.29	0.75	9.72	6	1.53	2.31
619. Operations	July '59-Jan, '74	8.33	2.61	2.50	.64	3.88	4	1.72	3.00
621. Procurement	Jan. '57-Jan. '74	45.13	22.23	22.10	1.68	13.19	6	1.49	2.12
623. Gross obligations incurred outside the Federal Government for national		12022	22125	22.20	1.00	22.27		20.00	2022
defense	July '63-Jan, '74	(NA)	6.94	6.82	.74	9.21	6	1.52	2.47
625. Defense Department military prime contract awards for work performed		()							-
in the United States, total	Jan. '57-Jan. '74	33.17	15.07	14.94	1.32	11.33	6	1.39	2.03
Defense Department gross unpaid obligations outstanding:									
643. Total	Jan. '57-Jan. '74	2.08	1.36	.90	.91	.99	1	2,58	2.58
644. Operations	Jan. '67-Jan. '74	5.47	2.48	2.16	1.06	2.03	3	2.00	4.82
645. Procurement	Jan. '67-Jan. '74		1.51	.99	.99	1.00	2	2.15	4.88
Manufacturers' new orders:	oun. or oun. rv	2.47	1.71			1.00	~	2.17	4.00
647. Defense products industries	Jan. '57-Mar. '72	(NA)	15.11	14.89	.97	15.32	6	1.58	2.33
648. Defense products	Feb. '68-Jan. '74	25.69	19.12	19.01	1.59	11.94	6	1.45	2.00
*653. Average weekly overtime hours, production workers, defense products	1 eb. 00 Jan. 74	22.09	19.12	19.01	1.79	11.74	0	1.47	2.00
	Jan. '58-Jan. '74	.22	.13	.13	.05	2.84	3	2.13	4.22
industries (hours)	Jan. '58-Jan. '74		.16	.15	.05	3.12	4	2.13	3.78
	Jan. '58-Jan. '74						4		4.02
*655. Layoff rate, defense products industries (per 100 employees)	Jan. 56-Jan. 74			.13	.04	3.07		2.02	
657. Output of defense and space equipment	Jan. 34-Jan. 74	(NA)	.98	.48	.79	.60	1	4.07	4.07
Manufacturers' inventories:		(***)					-		
658. Defense products industries	Jan. '57-Mar. '72	(NA)	1.04	.52	.85	.62	1	2.80	2.80
659. Defense products	Jan. '68-Jan. '74	1.89	1.74	1.16	1.27	.92	1	3.00	3.00
Manufacturers' unfilled orders:									
660. Defense products industries	Jan. '57-Mar. '72		1.23	.90	.83	1.09	2	2.76	3.42
661. Defense products	Jan. '68-Jan. '74	1.93	1.64	1.11	.99	1.11	2	2.77	3.94
Employment in defense products industries:									
670. Total	Jan. '58-Jan. '74				.60	.42	1	4.68	4.68
671. Production workers	Jan. '58-Jan. '74 .	1.02			.69	.63	1	3.62	3.62
673. Index of aggregate weekly man-hours, defense products industries	Jan. '58-Jan. '74 .	.92	.75	.35	.62	.56	1	4.09	4.09
675. Index of aggregate weekly payrolls, production workers, defense products									
industries	Jan. '58-Jan. '74 .	1.61	1.07	.65	.81	.80	1	3.05	3.05
Defense Department manpower:									
677. Military (1)	Jan. '57-Jan. '74 .			.26	.59	.44	1	4.25	4.25
678. Civilian @	Jan. '57-Jan. '74 .	55	(NA)	.33	.43	.79	1	4.25	4.25
Defense Department net outlays:									
680. Total, military functions and military assistance	Jan. '57-Jan. '74 .	9.06	3.97	3.87	.75	5.18	6	1.71	3.16
681. Operations		7.57	3.52	3.31	.70	4.75	5	1.61	2.43
682. Procurement	Jan. '57-Jan. '74 .	. 15.02	11.57	11.44	1.55	7.38	6	1.59	2.88

NA = not available.

Ratio, manufacturers' unfilled orders to shipments:

Ratio, manufacturers' inventories to shipments:

Manufacturers' shipments:

Jan. '57-Jan. '74 . .

Jan. '67-Jan. '74 . .

Jan. '68-Jan. '74 . .

Jan. '57-Mar. '72 . .

Jan. '68-Jan. '74 . .

Jan. '68-Jan. '74 . .

4.09

1.40

2.67

4.45

2.95

5.09

2.84

5.37

(NA)

2.72

(NA)

6.98

(NA)

8.23

(NA)

8.05

4.02

1.21

2.49

4.40

2.71

5.05

2.90

5.44

BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 1

The measures in this appendix provide a historical perspective for interpreting current changes in each series. They are derived using the Census X-11 seasonal adjustment program. Brief definitions of the measures are given below; more complete definitions appear in *Electronic Computers and Business Indicators* by Julius Shiskin, issued as Occasional Paper 57 by the National Bureau of Economic Research, 1957 (reprinted from *Journal of Business*, October 1957).

"O" is the average month-to-month percent change, without regard to sign, in the original unadjusted series. (See final paragraph below for exceptions to these definitions.)

"CI" is the same for the seasonally adjusted series.

"C" is the same for the short-term trend, which is a smooth, flexible moving average of the seasonally adjusted series.

"I" is the same for the irregular component, which is obtained by dividing the seasonally adjusted series by the short-term trend.

5.82

2.29

2.85

4.62

2.82

5.46

4.01

7.20

.69

.53

.87

.95

.96

.93

.72

.75

6

4

6

6

1.58

2.55

1.64

1.41

1.90

1.60

2.46

1.76

3.02

4.26

3.40

2.83

3.81

3.05

3.35

"Ī/C" measures the relative smoothness (small values) or irregularity (large values) of the seasonally adjusted series. It is the ratio of the average monthly percent change (without regard to sign) in the irregular component to the average monthly percent change (without regard to sign) in the short-term trend.

"MCD" (months for cyclical dominance) estimates the number of months required for the short-term trend to dominate the irregular component. Average percent changes are computed for spans of from 1 to 12 months for both the irregular component and the short-term trend. MCD is the shortest span of months for which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All MCD's greater than "5" are shown as "6".

Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY—Continued

"Average Duration of Run" (ADR) is another measure of smoothness and is equal to the average number of consecutive monthly changes in the same direction in any series of observations. When there is no change between two observations, a change in the same direction as the preceding change is assumed. The ADR is shown for the seasonally adjusted series (CI) and the MCD curve, which is a moving average (with the number of terms equal to MCD) of the seasonally adjusted series. A comparison of these measures with the expected ADR of a random series indicates whether the changes approximate those of a random series. In a random series, the expected ADR is 1.5 and the actual values fall between 1.36 and 1.75 about 95 percent of the time. For a moving average of a random series, the expected ADR is 2.

Measures for series identified with an asterisk (*) are computed by an additive method. This method is used for series with zero or negative data, series which could approach zero, and series expressed in percent. In this method, the measures are defined the same as above except for two differences: (1) the measures are based on actual month-to-month changes (rather than percent changes) and (2) the irregular component is obtained by subtracting the short-term trend from the seasonally adjusted series. The average changes shown above for the components of such a series are in the same unit of measure as the series itself. The unit is indicated in the series title.

Part 2. Quarterly Series

	Series title	Period	ō	Ci	ī	C	ī/C	QCD	Average of run	
		covered							CI	QCD
200.	Gross national product	IQ '57-IVQ '73	5.70	1.79	0.32	1.73	0.18	1	9.57	9.57
264.	Federal Government purchases of goods and services, national defense	10 '57-IVQ '73	6.18	2.00	.76	1.71	.45	1	3.05	3.05
*546.	Transfers under U.S. military agency sales contracts-exports (mil. dol.)	IQ '60-IVQ '73	76.33	54.22	39.30	29.71	1.32	2	1.67	2.35
*547.	Direct defense expenditures-imports (mil. dol.) (1)	IQ '60-IVQ '73	34.27	(NA)	26.55	21.70	1.22	2	1.83	2.70
*613.	National defense purchases as a percent of GNP (percent)	10 '57-IVQ '73	.33	.18	.08	.16	.48	1	5.58	5.58
650.	Manufacturers' new orders from the U.S. Government, aerospace industries	IQ '61-IVQ '73	(NA)	16.77	14.80	5.06	2.92	4	1.38	1.66
664.	Manufacturers' unfilled orders from the U.S. Government, aerospace industries	IQ '61-IVQ '73	(NA)	3.75	2.31	2.51	.92	1	2.32	2.32
666.	Defense Department progress payments outstanding @	IQ '57-IVQ '73	4.73	(NA)	2.25	4.22	.53	1	2.48	2.48
689.	Manufacturers' shipments to the U.S. Government, aerospace industries	IQ '61-IVQ '73	(NA)	4.16	3.27	1.99	1.64	2	1.70	2.2
*696.	U.S. Government cash receipts associated with military sales contracts (million dollars)	IQ '60-IVQ '73	96.62	73.64	56.86	38.62	1.47	2	1.57	2.35

NA = not available.

*Measures for these series are based on actual changes rather than percent changes (see definition below).
measures are based on unadjusted data.

@indicates

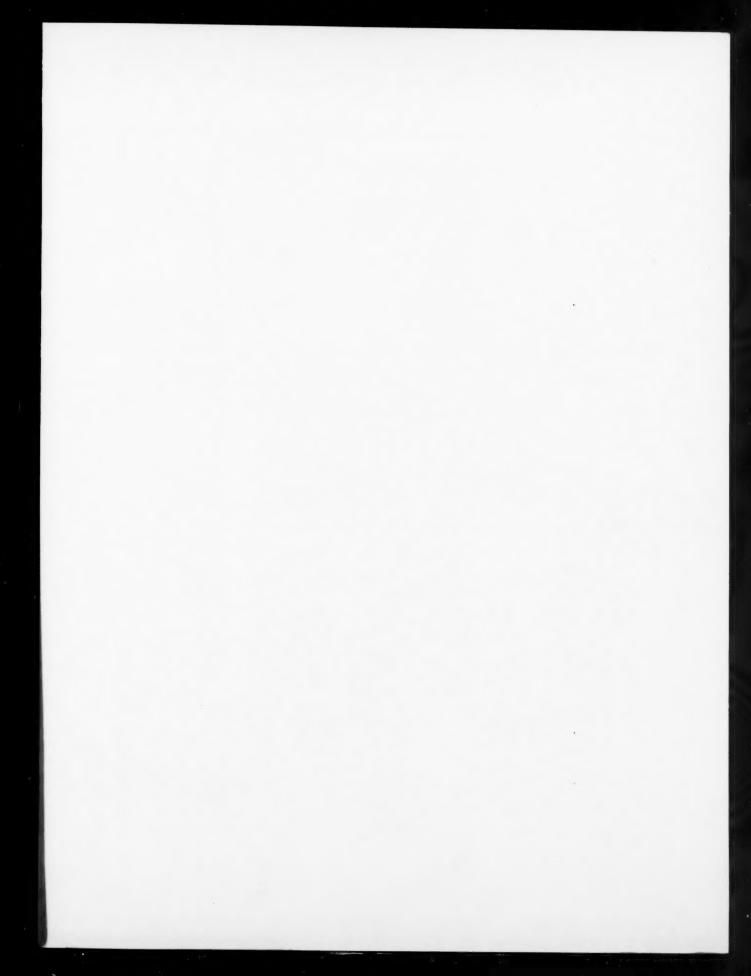
BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 2

These measures are defined the same as those in part 1 except that they are based on quarter-to-quarter percent changes. For example, \overline{Cl} is the average quarter-to-quarter percent change (without regard to sign) in the seasonally adjusted series.

In deriving "QCD" (quarters for cyclical dominance), average percent changes are computed for spans of from one to four quarters for the irregular component and the short-term trend. QCD is the shortest span of quarters for

which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All QCD's greater than "3" are shown as "4". The "Average Duration of Run" (ADR) measures are also expressed in quarters.

As in part 1, measures for series identified with an asterisk (*) are computed by an additive method. This method is the same as that used for the monthly series except for the use of quarterly data rather than monthly.



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ALPHABETICAL INDEX—SERIES FINDING GUIDE

R 1

Spring title	Series		nt issue umbers)	Historical data	Series descriptions	Series title	Series	Curren (page nu		Historical data	Series description
Series title	number	Charts	Tables	(issue date)	(issue date)	GOVED TITO	number	Charts	Tables	(issue date)	(issue date)
ccession rate, defense products industries	654	В	21	4/75	4/73	Inventories, manufacturers'	659			8/75	2/
erospace industries	070	Can Man		1	'	Defense products	658	9	22	1/72	2/
Manufacturers' new orders from U.S. Government	650 689	See New See Ship				Ratio to shipments, defense products	693	12	26	8/75	2/
Manufacturers' unfilled orders from U.S. Government	664		fled orders		. 1	Ratio to shipments, defense products industries	692	12		11/72	2/
alance of payments (defense-related)						Layoff rate, defense products industries	655	8	21	4/75	4/
Cash receipts associated with military sales contracts	696	13	27	8/75							
Direct defense expenditures	547	13	27	8/75		Man-hours, defense products industries	673	10	23	5/75	4/
Transfers under military agency sales contracts	546	13		8/75	10/73	Manpower - See Civilian manpower and Military				-,	-
dget outlays for national defense function	683	See Outl	ays.	1		manpower, Military manpower, Defense Department	677	10	24	8/75	8,
-t	000	Con Data	1	1	.	Military prime contract awards—See Contract awards.					
sh receipts associated with military sales contracts	696 678	500 Bala	nce of pay	Ments. 8/75	8/68						
impensation	0/0	10	44	0/10	0,00	Net outlays, Defense Department-See Outlays.		1			
Payrolls, aggregate weekly, defense products						New orders, manufacturers'					
industries	675	10	23	5/75		Defense products	648	7	20		2,
Personnel compensation, Defense Department	685	11	25	5/75	8/68	Defense products industries	647 650	7	***	11/72	2 2
ntract awards, military prime	626		16	7/75	8/68	From Government, aerospace industries	650	8	20	5/75	2
Aircraft Civilian Health and Medical Program	626		19	7/75		Obligation in the second second					
Combat vehicles	631		17	7/75		Obligations incurred, gross Defense Department, operations	619		15	4/75	8
Construction	634		18			Defense Department, operations Defense Department, procurement	621	6	15		8
Contracts under \$10,000	636		19			Defense Department, total	617	6	15		8
Educational and nonprofit institutions	637		19	7/75		Outside Government for national defense	623	6	16		10
Electronic and communications equipment	630		17	7/75		Obligations outstanding, gross unpaid					
Missile and space systems	632		18			Defense Department, operations	644		20		8
Other hard goods	635		18			Defense Department, procurement	645 643		20		8
Ships	628		17			Defense Department, total Operations, Defense Department	043	7	20	4/75	8
Soft goods	633		18			Net outlays	681	See Out	lavs.		1
	625	7				Ubligations incurred	619		igations in		1
Weapons and ammunition	629 640		17			Unpaid obligations outstanding	644	See Obli	igations ou	tstanding.	
Work outside the U.S.	640	***	19	7/75	8/68	Orders-See New orders and Unfilled orders.			1	1	
						Outlays Budget outlays for national defense function	683	11	25	5/75	10
efense and space equipment, output	657	See Out	put of defi	ense and spa	ace equipment.	Defense Department, operations	681	1	24		
efense Department		1	1	1	1	Defense Department, procurement	682	11	25		
Gross obligations incurred – See Obligations incurred. Gross unpaid obligations outstanding – See						Defense Department, total	680	11	24		
Obligations outstanding.						Output of defense and space equipment	657	9	22		
Manpower – See Civilian manpower and Military manpower.						Overtime hours, defense products industries	653	8	21	4/75	1
Military prime contract awards-See Contract awards.						Payrolls, aggregate weekly, defense products industries .	675 685	See Cor	npensation	1	
Net outlays—See Outlays.	cos	C C		1	1	Personnel compensation, Defense Department	080	1	1	1	
Personnel compensation	685 666		mpensation gress paym			Net outlays	682	See Out	tlavs	1	
lirect defense expenditures	547		ance of par			Obligations incurred	621		ligations in	curred.	
		-	1	1	1	Unpaid obligations outstanding	. 645	See Ob	ligations or		1
						Progress payments outstanding, Defense Department	. 666	9	1 2	2 5/75	5 1
mptoyment Accession rate, defense products industries	654	Son An	openion rate	1	L	Purchases of goods and services for national defense	204	266 GLG	ss nationa	product.	
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industries	671	10				Shipments, manufacturers'					1
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Layoff rate, defense products industries	655		yoff rate.			Defense products industries	687	12		. 11/72	3
Man-hours, defense products industries Manpower – See Civilian manpower and Military	673	See Ma	in-hours.			Ratio, inventories to shipments, defense products .	. 093	See Inv	rentories.		
manpower.				1		industries	692) 300 mm	istitui ies.		
Overtime hours, defense products industries	653	See Ov	ertime hou	Irs.	1	Ratio, unfilled orders to shipments, defense product	s 691	1			
xpenditures-See Outlays.		-	1	1	1	Ratio, unfilled orders to shipments, defense product		See Un	filled orde	rs.	
						industries	. 690	1	1 .	6 5/75	
ederal purchases of goods and services for national						To Government, aerospace industries	689	12	2	6 5/75	5
defense	264	See Gr	oss nationa	al product.		Transfers under military agency sales contracts	546	San Ra	lance of pa	n/monte	
						Transitio under minitary agency sales contracts	340	360 08	I DE UT DE	iy inoints.	
Gross national product						Unfilled orders, manufacturers'					
Federal purchases of goods and services for national			1			Defense products	661	9			
defense	264		5 1			Detense products industries	. 000	9			
Gross national product	200		5 1			From Government, aerospace industries	. 664	9			
National defense purchases as percent of GNP	613		5 1	4 8/7	75 10/73	Ratio to shipments, defense products Ratio to shipments, defense products industries	691	12		6 8/7	
Gross obligations incurred—See Obligations incurred, Gross unpaid obligations outstanding—See Obligations						Unpaid obligations outstanding—See Obligations	030	12		11/7	2
					1	outstanding.	1			1	1



